

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/965,529

DATE: 11/14/2001
TIME: 09:52:53

Input Set : A:\PTO.MBH.txt
Output Set: N:\CRF3\11142001\I965529.raw

2 <110> APPLICANT: LAL, Preeti
3 YUE, Henry
4 TANG, Y. Tom
5 BANDMAN, Olga
6 BURFORD, Neil
7 AZIMZAI, Yalda
8 BAUGHN, Mariah R.
9 LU, Dyung Aina M.
10 PATTERSON, Chandra
W--> 11 <120> TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
W--> 12 <130> FILE REFERENCE: PF-0731 USA
W--> 13 <140> CURRENT APPLICATION NUMBER: To Be Assigned
C--> 14 <141> CURRENT FILING DATE: 2001-09-26
15 <150> PRIOR APPLICATION NUMBER: 60/149,641
16 <151> PRIOR FILING DATE: 1999-08-17
17 <150> PRIOR APPLICATION NUMBER: 60/164,203
18 <151> PRIOR FILING DATE: 1999-11-09
19 <150> PRIOR APPLICATION NUMBER: PCT/US00/22315
20 <151> PRIOR FILING DATE: 2000-08-14
W--> 21 <160> NUMBER OF SEQ ID: 74
22 <170> SOFTWARE: PERL Program
W--> 23 <210> SEQ ID NO: 1
24 <211> LENGTH: 351
25 <212> TYPE: PRT
26 <213> ORGANISM: Homo sapiens
W--> 27 <220> FEATURE:
28 <221> NAME/KEY: misc_feature
29 <223> OTHER INFORMATION: Incyte ID No: 112301CD1
W--> 30 <400> SEQUENCE: 1
31 Met Thr Leu Arg Leu Leu Glu Asp Trp Cys Arg Gly Met Asp Met
32 1 5 10 15
33 Asn Pro Arg Lys Ala Leu Leu Ile Ala Gly Ile Ser Gln Ser Cys
34 20 25 30
35 Ser Val Ala Glu Ile Glu Glu Ala Leu Gln Ala Gly Leu Ala Pro
36 35 40 45
37 Leu Gly Glu Tyr Arg Leu Leu Gly Arg Met Phe Arg Arg Asp Glu
38 50 55 60
39 Asn Arg Lys Val Ala Leu Val Gly Leu Thr Ala Glu Thr Ser His
40 65 70 75
41 Ala Leu Val Pro Lys Glu Ile Pro Gly Lys Gly Gly Ile Trp Arg
42 80 85 90
43 Val Ile Phe Lys Pro Pro Asp Pro Asp Asn Thr Phe Leu Ser Arg
44 95 100 105
45 Leu Asn Glu Phe Leu Ala Gly Glu Gly Met Thr Val Gly Glu Leu
46 110 115 120
47 Ser Arg Ala Leu Gly His Glu Asn Gly Ser Leu Asp Pro Glu Gln
48 125 130 135

ENTERED

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49 Gly Met Ile Pro Glu Met Trp Ala Pro Met Leu Ala Gln Ala Leu
 50 140 145 150
 51 Glu Ala Leu Gln Pro Ala Leu Gln Cys Leu Lys Tyr Lys Lys Leu
 52 155 160 165
 53 Arg Val Phe Ser Gly Arg Glu Ser Pro Glu Pro Gly Glu Glu Glu
 54 170 175 180
 55 Phe Gly Arg Trp Met Phe His Thr Thr Gln Met Ile Lys Ala Trp
 56 185 190 195
 57 Gln Val Pro Asp Val Glu Lys Arg Arg Arg Leu Leu Glu Ser Leu
 58 200 205 210
 59 Arg Gly Pro Ala Leu Asp Val Ile Arg Val Leu Lys Ile Asn Asn
 60 215 220 225
 61 Pro Leu Ile Thr Val Asp Glu Cys Leu Gln Ala Leu Glu Glu Val
 62 230 235 240
 63 Phe Gly Val Thr Asp Asn Pro Arg Glu Leu Gln Val Lys Tyr Leu
 64 245 250 255
 65 Thr Thr Tyr Gln Lys Asp Glu Glu Lys Leu Ser Ala Tyr Val Leu
 66 260 265 270
 67 Arg Leu Glu Pro Leu Leu Gln Lys Leu Val Gln Arg Gly Ala Ile
 68 275 280 285
 69 Glu Arg Asp Ala Val Asn Gln Ala Arg Leu Asp Gln Val Ile Ala
 70 290 295 300
 71 Gly Ala Val His Lys Thr Ile Arg Arg Glu Leu Asn Leu Pro Glu
 72 305 310 315
 73 Asp Gly Pro Ala Pro Gly Phe Leu Gln Leu Leu Val Leu Ile Lys
 74 320 325 330
 75 Asp Tyr Glu Ala Ala Glu Glu Glu Ala Leu Leu Gln Ala Ile
 76 335 340 345
 77 Leu Glu Gly Asn Phe Thr
 78 350
 79 <210> SEQ ID NO: 2
 80 <211> LENGTH: 458
 81 <212> TYPE: PRT
 82 <213> ORGANISM: Homo sapiens
 W--> 83 <220> FEATURE:
 84 <221> NAME/KEY: misc_feature
 85 <223> OTHER INFORMATION: Incyte ID No: 997947CD1
 W--> 86 <400> SEQUENCE: 2
 87 Met Gln Ala Thr Ser Asn Leu Leu Asn Leu Leu Leu Ser Leu
 88 1 5 10 15
 89 Phe Ala Gly Leu Asp Pro Ser Lys Thr Gln Ile Ser Pro Lys Glu
 90 20 25 30
 91 Gly Trp Gln Val Tyr Ser Ser Ala Gln Asp Pro Asp Gly Arg Cys
 92 35 40 45
 93 Ile Cys Thr Val Val Ala Pro Glu Gln Asn Leu Cys Ser Arg Asp
 94 50 55 60
 95 Ala Lys Ser Arg Gln Leu Arg Gln Leu Leu Glu Lys Val Gln Asn
 96 65 70 75
 97 Met Ser Gln Ser Ile Glu Val Leu Asn Leu Arg Thr Gln Arg Asp

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98	80	85	90
99	Phe Gln Tyr Val Leu Lys Met Glu Thr Gln Met Lys Gly Leu Lys		
100	95	100	105
101	Ala Lys Phe Arg Gln Ile Glu Asp Asp Arg Lys Thr Leu Met Thr		
102	110	115	120
103	Lys His Phe Gln Glu Leu Lys Glu Lys Met Asp Glu Leu Leu Pro		
104	125	130	135
105	Leu Ile Pro Val Leu Glu Gln Tyr Lys Thr Asp Ala Lys Leu Ile		
106	140	145	150
107	Thr Gln Phe Lys Glu Glu Ile Arg Asn Leu Ser Ala Val Leu Thr		
108	155	160	165
109	Gly Ile Gln Glu Glu Ile Gly Ala Tyr Asp Tyr Glu Glu Leu His		
110	170	175	180
111	Gln Arg Val Leu Ser Leu Glu Thr Arg Leu Arg Asp Cys Met Lys		
112	185	190	195
113	Lys Leu Thr Cys Gly Lys Leu Met Lys Ile Thr Gly Pro Val Thr		
114	200	205	210
115	Val Lys Thr Ser Gly Thr Arg Phe Gly Ala Trp Met Thr Asp Pro		
116	215	220	225
117	Leu Ala Ser Glu Lys Asn Asn Arg Val Trp Tyr Met Asp Ser Tyr		
118	230	235	240
119	Thr Asn Asn Lys Ile Val Arg Glu Tyr Lys Ser Ile Ala Asp Phe		
120	245	250	255
121	Val Ser Gly Ala Glu Ser Arg Thr Tyr Asn Leu Pro Phe Lys Trp		
122	260	265	270
123	Ala Gly Thr Asn His Val Val Tyr Asn Gly Ser Leu Tyr Phe Asn		
124	275	280	285
125	Lys Tyr Gln Ser Asn Ile Ile Ile Lys Tyr Ser Phe Asp Met Gly		
126	290	295	300
127	Arg Val Leu Ala Gln Arg Ser Leu Glu Tyr Ala Gly Phe His Asn		
128	305	310	315
129	Val Tyr Pro Tyr Thr Trp Gly Gly Phe Ser Asp Ile Asp Leu Met		
130	320	325	330
131	Ala Asp Glu Ile Gly Leu Trp Ala Val Tyr Ala Thr Asn Gln Asn		
132	335	340	345
133	Ala Gly Asn Ile Val Ile Ser Gln Leu Asn Gln Asp Thr Leu Glu		
134	350	355	360
135	Val Met Lys Ser Trp Ser Thr Gly Tyr Pro Lys Arg Ser Ala Gly		
136	365	370	375
137	Glu Ser Phe Met Ile Cys Gly Thr Leu Tyr Val Thr Asn Ser His		
138	380	385	390
139	Leu Thr Gly Ala Lys Val Tyr Tyr Ser Tyr Ser Thr Lys Thr Ser		
140	395	400	405
141	Thr Tyr Glu Tyr Thr Asp Ile Pro Phe His Asn Gln Tyr Phe His		
142	410	415	420
143	Ile Ser Met Leu Asp Tyr Asn Ala Arg Asp Arg Ala Leu Tyr Ala		
144	425	430	435
145	Trp Asn Asn Gly His Gln Val Leu Phe Asn Val Thr Leu Phe His		
146	440	445	450

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Input Set : A:\PTO.MBH.txt

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147 Ile Ile Lys Thr Glu Asp Asp Thr
 148 455
 149 <210> SEQ ID NO: 3
 150 <211> LENGTH: 219
 151 <212> TYPE: PRT
 152 <213> ORGANISM: Homo sapiens
 W--> 153 <220> FEATURE:
 154 <221> NAME/KEY: misc_feature
 155 <223> OTHER INFORMATION: Incyte ID No: 1521513CD1
 W--> 156 <400> SEQUENCE: 3
 157 Met Asn Ser Ser Lys Ser Ser Glu Thr Gln Cys Thr Glu Arg Gly
 158 1 5 10 15
 159 Cys Phe Ser Ser Gln Met Phe Leu Trp Thr Val Ala Gly Ile Pro
 160 20 25 30
 161 Ile Leu Phe Leu Ser Ala Cys Phe Ile Thr Arg Cys Val Val Thr
 162 35 40 45
 163 Phe Arg Ile Phe Gln Thr Cys Asp Glu Lys Lys Phe Gln Leu Pro
 164 50 55 60
 165 Glu Asn Phe Thr Glu Leu Ser Cys Tyr Asn Tyr Gly Ser Gly Ser
 166 65 70 75
 167 Val Lys Asn Cys Cys Pro Leu Asn Trp Glu Tyr Phe Gln Ser Ser
 168 80 85 90
 169 Cys Tyr Phe Phe Ser Thr Asp Thr Ile Ser Trp Ala Leu Ser Leu
 170 95 100 105
 171 Lys Asn Cys Ser Ala Met Gly Ala His Leu Val Val Ile Asn Ser
 172 110 115 120
 173 Gln Glu Glu Gln Glu Phe Leu Ser Tyr Lys Lys Pro Lys Met Arg
 174 125 130 135
 175 Glu Phe Phe Ile Gly Leu Ser Asp Gln Val Val Glu Gly Gln Trp
 176 140 145 150
 177 Gln Trp Val Asp Gly Thr Pro Leu Thr Lys Ser Leu Ser Phe Trp
 178 155 160 165
 179 Asp Val Gly Glu Pro Asn Asn Ile Ala Thr Leu Glu Asp Cys Ala
 180 170 175 180
 181 Thr Met Arg Asp Ser Ser Asn Pro Arg Gln Asn Trp Asn Asp Val
 182 185 190 195
 183 Thr Cys Phe Leu Asn Tyr Phe Arg Ile Cys Glu Met Val Gly Ile
 184 200 205 210
 185 Asn Pro Leu Asn Lys Gly Lys Ser Leu
 186 215
 187 <210> SEQ ID NO: 4
 188 <211> LENGTH: 276
 189 <212> TYPE: PRT
 190 <213> ORGANISM: Homo sapiens
 W--> 191 <220> FEATURE:
 192 <221> NAME/KEY: misc_feature
 193 <223> OTHER INFORMATION: Incyte ID No: 1863994CD1
 W--> 194 <400> SEQUENCE: 4
 195 Met Glu Ser Arg Met Trp Pro Ala Leu Leu Ser His Leu Leu

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196	1	5	10	15
197	Pro Leu Trp Pro Leu Leu Leu Pro Leu Pro Pro Pro Ala Gln			
198	20	25	30	
199	Gly Ser Ser Ser Ser Pro Arg Thr Pro Pro Ala Pro Ala Arg Pro			
200	35	40	45	
201	Pro Cys Ala Arg Gly Gly Pro Ser Ala Pro Arg His Val Cys Val			
202	50	55	60	
203	Trp Glu Arg Ala Pro Pro Pro Ser Arg Ser Pro Arg Val Pro Arg			
204	65	70	75	
205	Ser Arg Arg Gln Val Leu Pro Gly Thr Ala Pro Pro Ala Thr Pro			
206	80	85	90	
207	Ser Gly Phe Glu Glu Gly Pro Pro Ser Ser Gln Tyr Pro Trp Ala			
208	95	100	105	
209	Ile Val Trp Gly Pro Thr Val Ser Arg Glu Asp Gly Gly Asp Pro			
210	110	115	120	
211	Asn Ser Ala Asn Pro Gly Phe Leu Asp Tyr Gly Phe Ala Ala Pro			
212	125	130	135	
213	His Gly Leu Ala Thr Pro His Pro Asn Ser Asp Ser Met Arg Gly			
214	140	145	150	
215	Asp Gly Asp Gly Leu Ile Leu Gly Glu Ala Pro Ala Thr Leu Arg			
216	155	160	165	
217	Pro Phe Leu Phe Gly Gly Arg Gly Glu Gly Val Asp Pro Gln Leu			
218	170	175	180	
219	Tyr Val Thr Ile Thr Ile Ser Ile Ile Ile Val Leu Val Ala Thr			
220	185	190	195	
221	Gly Ile Ile Phe Lys Phe Cys Trp Asp Arg Ser Gln Lys Arg Arg			
222	200	205	210	
223	Arg Pro Ser Gly Gln Gln Gly Ala Leu Arg Gln Glu Glu Ser Gln			
224	215	220	225	
225	Gln Pro Leu Thr Asp Leu Ser Pro Ala Gly Val Thr Val Leu Gly			
226	230	235	240	
227	Ala Phe Gly Asp Ser Pro Thr Pro Thr Pro Asp His Glu Glu Pro			
228	245	250	255	
229	Arg Gly Gly Pro Arg Pro Gly Met Pro His Pro Lys Gly Ala Pro			
230	260	265	270	
231	Ala Phe Gln Leu Asn Arg			
232	275			
233	<210> SEQ ID NO: 5			
234	<211> LENGTH: 375			
235	<212> TYPE: PRT			
236	<213> ORGANISM: Homo sapiens			

W--> 237 <220> FEATURE:

238 <221> NAME/KEY: misc_feature

239 <223> OTHER INFORMATION: Incyte ID No: 2071941CD1

W--> 240 <400> SEQUENCE: 5

241 Met Ser Ser His Lys Gly Ser Val Val Ala Gln Gly Asn Gly Ala

242 1 5 10 15

243 Pro Ala Ser Asn Arg Glu Ala Asp Thr Val Glu Leu Ala Glu Leu

244 20 25 30

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

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DATE: 11/14/2001

TIME: 09:52:54

Input Set : A:\PTO.MBH.txt

Output Set: N:\CRF3\11142001\I965529.raw

L:11 M:283 W: Missing Blank Line separator, <120> field identifier
L:12 M:283 W: Missing Blank Line separator, <130> field identifier
L:13 M:283 W: Missing Blank Line separator, <140> field identifier
L:13 M:270 C: Current Application Number differs, Replaced Current Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:21 M:283 W: Missing Blank Line separator, <160> field identifier
L:23 M:283 W: Missing Blank Line separator, <210> field identifier
L:27 M:283 W: Missing Blank Line separator, <220> field identifier
L:30 M:283 W: Missing Blank Line separator, <400> field identifier
L:83 M:283 W: Missing Blank Line separator, <220> field identifier
L:86 M:283 W: Missing Blank Line separator, <400> field identifier
L:153 M:283 W: Missing Blank Line separator, <220> field identifier
L:156 M:283 W: Missing Blank Line separator, <400> field identifier
L:191 M:283 W: Missing Blank Line separator, <220> field identifier
L:194 M:283 W: Missing Blank Line separator, <400> field identifier
L:237 M:283 W: Missing Blank Line separator, <220> field identifier
L:240 M:283 W: Missing Blank Line separator, <400> field identifier
L:295 M:283 W: Missing Blank Line separator, <220> field identifier
L:298 M:283 W: Missing Blank Line separator, <400> field identifier
L:337 M:283 W: Missing Blank Line separator, <220> field identifier
L:340 M:283 W: Missing Blank Line separator, <400> field identifier
L:393 M:283 W: Missing Blank Line separator, <220> field identifier
L:396 M:283 W: Missing Blank Line separator, <400> field identifier
L:427 M:283 W: Missing Blank Line separator, <220> field identifier
L:430 M:283 W: Missing Blank Line separator, <400> field identifier
L:479 M:283 W: Missing Blank Line separator, <220> field identifier
L:482 M:283 W: Missing Blank Line separator, <400> field identifier
L:533 M:283 W: Missing Blank Line separator, <220> field identifier
L:536 M:283 W: Missing Blank Line separator, <400> field identifier
L:625 M:283 W: Missing Blank Line separator, <220> field identifier
L:628 M:283 W: Missing Blank Line separator, <400> field identifier
L:699 M:283 W: Missing Blank Line separator, <220> field identifier
L:702 M:283 W: Missing Blank Line separator, <400> field identifier
L:785 M:283 W: Missing Blank Line separator, <220> field identifier
L:788 M:283 W: Missing Blank Line separator, <400> field identifier
L:855 M:283 W: Missing Blank Line separator, <220> field identifier
L:858 M:283 W: Missing Blank Line separator, <400> field identifier
L:901 M:283 W: Missing Blank Line separator, <220> field identifier
L:904 M:283 W: Missing Blank Line separator, <400> field identifier
L:997 M:283 W: Missing Blank Line separator, <220> field identifier
L:1000 M:283 W: Missing Blank Line separator, <400> field identifier
L:1061 M:283 W: Missing Blank Line separator, <220> field identifier
L:1064 M:283 W: Missing Blank Line separator, <400> field identifier
L:1109 M:283 W: Missing Blank Line separator, <220> field identifier
L:1112 M:283 W: Missing Blank Line separator, <400> field identifier
L:1169 M:283 W: Missing Blank Line separator, <220> field identifier
L:1172 M:283 W: Missing Blank Line separator, <400> field identifier
L:1235 M:283 W: Missing Blank Line separator, <220> field identifier

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Input Set : A:\PTO.MBH.txt

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L:1238 M:283 W: Missing Blank Line separator, <400> field identifier
L:1305 M:283 W: Missing Blank Line separator, <220> field identifier
L:1308 M:283 W: Missing Blank Line separator, <400> field identifier
L:1345 M:283 W: Missing Blank Line separator, <220> field identifier
L:2268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:2269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:2270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:3086 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62

STATISTICS SUMMARY
PATENT APPLICATION: US/09/965,529

DATE: 11/14/2001
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Input Set : A:\PTO.MBH.txt
Output Set: N:\CRF3\11142001\I965529.raw

Application Serial Number: US/09/965,529

Alpha or Numeric: Numeric

Application Class:

Application File Date: 09-26-2001

Art Unit: OIPE

Software Application: Other

Total Number of Sequences: 74

Total Nucleotides: 64095

Total Amino Acids: 13483

Number of Errors: 0

Number of Warnings: 159

Number of Corrections: 2

MESSAGE SUMMARY

270 C: 1 (Current Application Number differs)

271 C: 1 (Current Filing Date differs)

283 W: 155 (Missing Blank Line separator)

341 W: 4 ((46) "n" or "Xaa" used)